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**From:** Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]  
**Sent:** 10/4/2017 5:16:05 PM  
**To:** Leung, Lam-Wing H [LAM.H.LEUNG-1@chemours.com]  
**CC:** Lindstrom, Andrew [Lindstrom.Andrew@epa.gov]; McCord, James [mccord.james@epa.gov]; Lang, Johnsie [lang.johnsie@epa.gov]  
**Subject:** some interesting samples  
**Attachments:** 20171004\_083809.jpg; 20171004\_103715.jpg; 20171004\_101457.jpg

Lam,

From the site visit back on September 18<sup>th</sup> I got some samples I was not sure what to do with. I usually spike with a 50:50 mix of nitric acid:DI water to adjust the pH to around 1.0 or so for processing on an Oasis WAX SPE cartridge and to prevent algae/microbial growth. I had 4 samples I am not sure if you received that had a very high pH:

Deg Tank (pH 12.0)  
Common Waste Tank (pH 12.0)  
Hydrolysis Sump (pH 12.0)  
Alkaline waste Tank (pH >14.0)

When I acidified the Deg Tank, Common Waste Tank and Hydrolysis Sump a white precipitate formed in the water. It filtered out but I have no idea what it is. Do you?

Also the pH of the alkaline Waste Tank did not respond at all to 3x nitric acid spikes so I gave up on it.

Here is a photo of the white ppt in solution and on a filter media (Glass fiber filter).

Mark

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